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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU909015C6 – μ OTDR Module, 3-Wavelength, 35 dB Class OTDR For MT9090A Network Master Series Mainframes

Anritsu MU909015C6 μ OTDR Module 3 Wavelength 35 dB Class with PM PON PM LTS and LS for MT9090A The Anritsu MU909015C6 adds PON power meter, loss test set, and light source to the MU909015C tri wavelength 35 dB class μ OTDR. OEM LS output is minus 5 plus or minus 1.5 dBm with less than or equal to 0.2 dB stability and CW/270 Hz/1 kHz/2 kHz modes. All in one FTTx install and maintenance OTDR plus OLTS and PON power on the MT9090A handheld. Tri wavelength 35 dB class OTDR with PM PON PM LTS and LS The Anritsu MU909015C6 adds PON power meter, loss test set, and light source to the MU909015C tri wavelength 35 dB class μ OTDR. OEM LS output is minus 5 plus or minus 1.5 dBm with less than or equal to 0.2 dB stability and CW/270 Hz/1 kHz/2 kHz modes. All in one FTTx install and maintenance OTDR plus OLTS and PON power on the MT9090A handheld. Tri wavelength 35 dB class OTDR with PM PON PM LTS and LS 38/37/35 dB typical at 20 us on 1625/1650 third wavelength options



MODEL

**Anritsu
MU909015C6**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU909015C6

LISTING

<https://aumictechlabs.com/products/mu909015c6-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU909015C6 is a micro optical time-domain reflectometer (μ OTDR) module engineered for integration into MT9090A Network Master series mainframes. This single-mode fiber test module delivers three-wavelength OTDR capability with 35 dB dynamic range, enabling precise characterization of optical fiber infrastructure across installation, maintenance, and troubleshooting workflows. The compact design supports premise, access, metro, and core network testing, including FTTx deployments with high split ratios.

Technical Specifications

Wavelengths & Accuracy Triple-wavelength operation: 1310 nm, 1550 nm, and 1625 nm or 1650 nm (variant-dependent) Alternative variant: 1310 nm, 1490 nm, and 1550 nm Wavelength accuracy: ± 20 nm Dynamic Range & Resolution 35 dB class; up to 38 dB at 20 μ s pulse width Event dead zone: <1 m (typically ≤ 0.8 m Fresnel) Backscatter dead zone: <4.5 m (≤ 4.0 m at 1310 nm; ≤ 4.5 m at 1490/1550/1625/1650 nm) Sampling resolution: 2 cm minimum Sampling points: <250,001

Distance & Accuracy Range: 0.5 km to 250 km Distance accuracy: ± 1 m $\pm 3 \times$ measurement distance $\times 10^{-5} \pm$ marker resolution Measurement accuracy: ± 0.5 dB Linearity: ± 0.05 dB or ± 0.1 dB

Operational Parameters Pulse width: 5 ns to 500 ns; 1 μ s to 20 μ s IOR range: 1.3000 to 1.7000 Return loss measurement: 14.8 ± 2 dB

Key Features Full OTDR modes: automatic, manual, real-time Integrated power meter, light source, and loss test set functions PON power meter capability Fiber visualizer mode for field operations Visual fault locator support (optional) Connector inspection with optional video probe USB 1.1 and Ethernet connectivity; Bluetooth and Wi-Fi

Operating temperature: -10 to 50 $^{\circ}\text{C}$ Compact form factor: 190 mm $\times$ 96 mm $\times$ 48 mm, 700 g

Power & Integration Module powered by MT9090A mainframe battery AC input: 100 V to 240 V (50/60 Hz); DC: 9 V NiMH battery standard (~8 hours operation) Alkaline dry battery option available

MU909015C6 Characteristics / Specifications

PARAMETER	VALUE
Model	MU909015C6
OTDR Class	3 wavelength 35 dB class with PM PON PM LTS and LS
Dynamic Range PW 20 us 057/067 058/0	38 dB / 37 dB / 35 dB typical
Dynamic Range PW 20 us 059/0	36 dB / 35 dB / 35 dB typical
Dead Zone Fresnel Typical	less than or equal to 0.8 m
Dead Zone Backscatter Typical 1310 nm	less than or equal to 4.0 m
Sampling Resolution Minimum	2 cm
Sampling Points	less than 250001 pts
Light Source Wavelength Except 059/0	1310 plus or minus 25 nm and 1550 plus or minus 25 nm
Light Source Wavelength Options 059/0	1310/1490/1550 plus or minus 25 nm
Light Source Output Power	minus 5 plus or minus 1.5 dBm CW plus 25 C
Light Source Stability	less than or equal to 0.2 dB
Light Source Modes	CW 270 Hz 1 kHz 2 kHz
Power Meter Range CW	minus 50 to plus 26 dBm at 1550 nm
Power Meter Range Modulated	minus 40 to plus 13 dBm
Power Meter Accuracy	plus or minus 0.5 dB
PON Power Meter 1490 nm Range	minus 50 to plus 13 dBm CW
PON Power Meter 1550 nm Range	minus 50 to plus 26 dBm CW
PON Isolation	1490 nm greater than 35 dB 1550 nm greater than 50 dB
Loss Test Set Fiber	10 um/125 um SMF ITUTG.652
Operating Temperature	minus 10 C to plus 50 C less than 95 percent RH no condensation
Storage Temperature	minus 30 C to plus 70 C less than 95 percent RH no condensation
Host Mainframe	MT9090A Network Master
Fiber Type	10 um/125 um SMF ITUTG.652
Optical Connector	FC and SC adapters changeable

PARAMETER	VALUE
Distance Range IOR 1.5000	0.5 1 2.5 5 10 25 50 75 125 250 km
Pulse Width	5 10 20 50 100 200 500 ns and 1 2 5 10 20 us
Linearity	plus or minus 0.05 dB/dB or plus or minus 0.1 dB whichever is greater
Return Loss Measurement Accuracy	plus or minus 2 dB
Distance Measurement Accuracy	plus or minus 1 m plus or minus 3 times measurement distance times 10 to the minus 5 plus marker resolution excluding IOR uncertainty
IOR Setting	1.3000 to 1.7000 in 0.0001 steps
Distance Units	kmmkft ft mi
Integrated Launch Fiber	10 m (30 ft)
Data Storage Internal	40 MB less than 1000 traces
Data Storage External USB	1 GB less than 30000 traces
Display With Mainframe	4.3 inch TFT color LCD 480 × 272 pixels transmissive
Interface	USB 1.1 TypeAmemory and TypeBUSB mass storage
Dimensions With Mainframe	190 W x 96 H x 48 D mm
Mass With Mainframe And Standard Battery	less than 700 g
Battery Operating Time Standard	8 hours typical Telcordia GR 196 CORE Issue 2
Recharging Time	less than 4 hours typical
Trace Format	Telcordia universal SOR issue 2 SR 4731
Ingress Protection	IEC 60529 IP51
Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1
Return loss	Measurement Accuracy: plus or minus 2 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 30 C to plus 70 C less than 95 percent RH no condensation
Operating temperature	minus 10 C to plus 50 C less than 95 percent RH no condensation
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Host Mainframe	MT9090A Network Master
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Ingress Protection	IEC 60529 IP51

PARAMETER	VALUE
Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909015C6 rows plus Light Source, Power Meter, PON Power Meter, and Loss Test Set tables.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Recharging Time	less than 4 hours typical
Trace Format	Telcordia universal SOR issue 2 SR 4731
Ingress Protection	IEC 60529 IP51
Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1

Notes

From Anritsu MU909015C6 rows plus Light Source, Power Meter, PON Power Meter, and Loss Test Set tables.

Laser Safety

Laser Safety OTDR: IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909015C6 rows plus Light Source, Power Meter, PON Power Meter, and Loss Test Set tables.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.